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PRODUCT INFORMATION SHEET

19-9-06

QD601 SUPER ENAMEL

Description

HiChem QD 601 Super Enamel is a high gloss air drying alkyd spraying enamel exhibiting excellent durability, corrosion resistance and gloss retention properties. *QD 601 Super Enamel* is slower drying than *HiChem Quick Drying Spray Enamel* but with superior gloss and durability. Increased film hardness, chemical resistance and durability can be obtained with the addition of *HiChem Enamel Hardener*. By the addition of *Universal Flatting Base* lower gloss finishes can be achieved.

Uses

HiChem QD 601 Super Enamel is suitable for interior and exterior surfaces on both structural maintenance and new building construction projects on a variety of metal surfaces as well as timber after the application of a suitable primer and/or undercoat.

Features

- Fast drying
- Excellent exterior durability
- Good petrol resistance
- Excellent gloss and gloss retention
- Excellent application properties

Surface Preparation

Mild steel: Remove rust, old and scaling paintwork and thoroughly clean with *HiChem Prepwash* wax and grease remover. Prime surfaces with *HiChem Structural Primer 3250*.

Non-ferrous substrates: Substrates such as aluminium, zinc-alum and galvanised steel should first be abraded using a Medium / Coarse (Maroon) *Abrasive Hand Pad*. Clean with *HiChem Prepwash* wax and grease remover. Then apply one light even coat of *HiChem Super Etch Primer* to a dry film thickness of 6-12 micron.

Timber: Sand and remove dust. Apply *HiChem Oil Based Primer For Wood*.

Aged lacquer and enamel: Remove loose and flaking paint. Remove all the gloss from previously painted areas by sanding with 280-360 grit abrasive paper. Apply the appropriate primer.

Thinning

May be thinned by between 15-20% with *HiChem Enamel Thinner E250*. In hot weather, greater than 20 Deg C, or when spraying larger areas, use *Enamel Thinner E250 Slow*. When using *Enamel Hardener* the amount of thinners added may need to be reduced. *Enamel Hardener* is used at a ratio of 16 parts by volume *QD 601 Super Enamel* to 1 part *Enamel Hardener* (which is 250 mls per 4 litre or approx. 60 mls per litre). Use of *Universal Flatting Base* (see Product Information Sheet) may require a reduction in the amount of thinners added.

Application

Finish with 2 medium coats of *QD 601 Super Enamel* allowing 15-20 minutes flash off time between coats. Spray using following settings.

Spray Gun setup	Fluid tip	Air Pressure
Suction	1.8	310-420 kPa (45-60 psi)
gravity feed	1.5	310-420 kPa (45-60 psi)
Application viscosity :	15-17 seconds by Ford No. 4 Cup at 20°C.	

Recoat time

At 25°C allow 2 hours before recoating.

Drying time

At 20°C and film build 40 microns.

Dust free 20-30 minutes, *Touch Dry* 2-3 hrs, *Hard Dry* 16-24 hrs.

Coverage

Theoretical 15 m² per litre at 25 microns dry film thickness.

Clean up

Use *Enamel Thinner E250* or *Enamel Thinner E250 Slow*.

Storage

Store in a cool dry place. Always replace the lid securely after use.

Safety

See material safety data sheet.

Standard Packages and Product Codes

All colours and tints available in 20 and 4 litre sizes.

See the HiChem Colour Card.

1. Stock colours.

Colour	Code
White	601SEW
Toyota White 045	601SETW
Black	601SEB
Silver	601SES
Ford Tractor Blue	601SEFTB
Golden Yellow Y14	601SEY14
Royal Blue B12	601SEB12
Navy Blue (Oxford Blue)	601SEB13
Bottle Green (Deep Brunswick Green) G11	601SEG11
New Caterpillar Yellow (Darker than X21)	601SENCY
Signal Red R13	601SER13
Crimson (IHC / PO Red) R15	601SER15

2. Factory made colours minimum order 200 litres. Contact our sales office for details.

3. Other colours are available from the *QD601 Super Enamel Tinting System* which comprises 13 tints and an extensive range of colour formulations. Contact our sales office for details.

The information contained in this bulletin is presented in good faith based on thorough laboratory and field testing but without warranty. As we have no control over the conditions under which these products are used, it is recommended that all products be tested by the end user to ensure the suitability of the product for the particular application and conditions.